

ENLARGEMENT OF OAHU CYRTANDRA (GESNERIACEAE)
HAWAIIAN PLANT STUDIES 48

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The genus Cyrtandra is the largest genus of higher plants in the Hawaiian flora. At present there are accepted 571 species, 47 varieties, and one forma. The present contribution adds 35 species and one variety, making a total of 616 species, 48 varieties, and one forma.

This contribution has been produced by H. St. John and W. N. Takeuchi; the latter during three years has done intensive field work in valleys that had been neglected. This has revised the total on Oahu to 153 species, 8 varieties, and 1 forma.

The type specimens are in the Bishop Museum, Honolulu.

Section CROTONOCALYCES

Cyrtandra acuminifolia sp. nov. Frutex est, novellis pilosis, laminis 6-18 x 4.3-10.3 cm ovalibus acutis basi cuneata infra nervis principalibus pilosulis, cymis 5.5-7 cm longis 3-9-floriferis pilosis, pedicellis 10-15 mm longis calycibus 15 mm longis pilosis lobis inferis 5-6 mm longis, corollis 24 mm longis pilosis. Typus: Oahu I., Niu, W. Takeuchi et al. Koolau 273a.

Cyrtandra basiotundata sp. nov. Frutex est, ramulis pilosis, foliis oppositis inaequalibus, petiolis 3-8.5 cm longis pilosis, laminis 11-21 x 6-13 cm ovalibus acuminatis basi rotundata et cuneata infra puberulis nervis pilosis, cymis 5-10 cm longis, 1-3 floriferis pilosis, calycibus 20-22 mm longis pilosis, lobis inferis 10-12 mm longis lanceolatis acuminatis. Typus: Oahu I., Palolo, Takeuchi & Pyle 2,655.

Cyrtandra cuspidata sp. nov. Frutex est, novellis puberulis, foliis oppositis inaequalibus, petiolis 5-7.5 cm longis puberulis, laminis 15-23 x 7.8-11 cm ovalibus acuminatis basi cuneata infra nervis puberulis, cymis 8-12.5 cm longis 3-5 floriferis puberulis, pedicellis 15-23 mm longis, calycibus vivis 17 mm longis puberulis 2/5-lobatis tubo 8 mm longo lobis inferis 6 mm longis lanceolatis, corollis 21 mm longis pilosulis decurvatis, loba infera 9 x 8 mm suborbiculari. Typus: Oahu I., Haiku, Takeuchi & Tate 2,947.

Cyrtandra kamooaliiensis sp. nov. Frutex est, novellis dense adscendente badie pilosulis, foliis oppositis, petiolis 2-7.5 cm longis, adscendente badie pilosulis, laminis 7-17 x 3.8-10 cm late ellipticis acuminatis basi cuneata et decurrenti marginibus serratis

supra sparse adpresse puberulis infra sparse minute puberulis nervis principalibus adscendente badie pilosulis, cymis 4.5-7 cm longis 3-5-floriferis axillaribus adscendente badie pilosulis, pedunculis 1-3.3 cm longis bracteis 6-10 mm longis lanceolatis, pedicellis 7-22 mm longis, calycibus siccatis 10-11 mm longis pilosulis 1/2-lobatis, lobis superis 3.5 mm longis lanceolatis, lobis inferis 5.5-7 mm longis, corollis vivis 25 mm longis tubo 18 mm longo pilosulo, lobis superis 5 mm diametro, loba infera 8 x 7 mm, ovario glabro, stylo glabro. Typus: Oahu I., Kaneohe, Kamooalii, W. Takeuchi 2,907.

Cyrtandra kremnes sp. nov. Frutex est, caule simplici pilosulo, foliis oppositis, inaequalibus, petiolis 5-7.5 cm longis puberulis, laminis 10-27 x 7.5-12.6 cm ovalibus acuminatis basi cuneata decurrenti infra puberulis nervis pilosulis, cymis 7-17 cm longis 6-floriferis puberulis, pedicellis 4-11 mm longis, calycibus vivis 15-16 mm longis puberulis tubo 8-9 mm longo lobis inferis 6 mm longis lanceolatis corollis 22 mm longis puberulis tubo 15 mm longo decurvato loba infera 7 x 7 mm ovati-suborbiculari. Typus: Oahu I., Kaneohe, Takeuchi 2,922.

Cyrtandra piaensis sp. nov. Frutex est, ramulis foliosis pilosis, foliis oppositis, petiolis 2.5-7 cm longis pilosis, laminis 10-14 x 4.5-7 cm ellipticis acuminatis basi cuneata infra nervis pilosulis, cymis 4-5 cm longis pilosulis, pedicellis 13-20 mm longis, calycibus vivis 18 mm longis pilosulis 2/5-lobatis lobis inferis 7-8 mm longis deltoideis et subulatis, corollis 19 mm longis pilosis tubo 15 mm longo subrecta loba infera 4.5 x 5 mm oblato-ovata. Typus: Oahu I., Niu, Takeuchi 2,720.

Cyrtandra pukeleensis sp. nov. Frutex ramosus est, novellis villosis, foliis oppositis inaequalibus, petiolis 7-10 cm longis villosis, laminis 14-17 x 10.6-12 cm ellipticis breve acuminatis basi subcordata infra nervis pilosis, cymis 5-6 cm longis 5-8-floriferis axillaribus villosis, pedicellis 12-20 mm longis calycibus vivis 9-10 mm longis 3/4-lobatis in basi villosis lobis inferis 9-10 mm longis elliptici-lanceolatis, corollis 15 mm longis tubo 12 mm long hispidulis subrectis. Typus: Oahu I., Palolo, Takeuchi 2,622.

Cyrtandra rotundata sp. nov. Frutex est, ramulis foliosis villosis, foliis oppositis, petiolis 7-13.5 cm longis villosis, laminis 15-19.5 x 15-17 cm suborbicularibus subacuminatis basi rotundata infra pilosulis sed nervis pilosis, cymis 7-8.5 cm longis 3-7-floriferis villosis, pedicellis 20-30 mm longis, calycibus vivis 17-18 mm longis pilosis lobis inferis 12 mm longis late deltoideis, corollis 17 mm longis pilosis tubo 12 mm longo recto loba infera 5 x 6 mm suborbiculari-ovata. Typus: Oahu I., Palolo, Takeuchi 2,624.

Cyrtandra subaequalis sp. nov. Frutex est, novellis villosis, petiolis 5-9 cm longis villosis, laminis 17.5-19.5 x 11.3-14 cm late ovatis subacuminatis basi rotundata cuneata infra in nervis principalibus adpresse hirsutulis, cymis 5-8.5 cm longis 7-9-floriferis villosis, pedicellis 5-15 mm longis, calycibus 14-16 mm longis 1/2-lobatis villosis lobis 7 mm longis ovatis cum apicibus subulatis, corollis 20 mm longis in medio in 45° decurvatis. Typus: Oahu I., Wailupe, J. Obata & B. Tate 1,955.

Cyrtandra subrubra sp. nov. Frutex est, ramulis foliolis hirsutis, petiolis 3.5-6 cm longis hirsutis, laminis 11.5-18 x 6.2-10 cm ovalibus acuminatis basi, cuneata decurrentique infra adpresse puberulis nervis pilosulis, cymis 5-8 cm longis 4-7-floriferis pilosis, pedicellis 12-27 mm longis calycibus 14-17 mm longis pilosis lobis 9-14 mm longis lanceolatis corollis 25 mm longis pilosulis, in parte 2/5 ex apice in 45° decurvata loba infera 6.5 mm longa ovati-orbiculari. Typus: Oahu I., Punaluu, Takeuchi et al. 2,289.

Section CYLINDROCALYCES

Cyrtandra depressa sp. nov. Frutex ramosus est, ramulis glabris, foliis oppositis, petiolis 7-17 mm longis ciliatis, laminis 37-43 x 11.3-12.6 cm elliptici-oblongatis acuminatis basi longe decurrenti infra adpresse pilosulis, cymis 4-6 cm longis 3-floriferis axillaribus, pedicellis ad 7 mm longis, rostro gemmae 8 mm longo, calycibus 28 mm longis adpresse pilosulis 5 lobis 8-10 mm longis ovatis acuminatis, corollis 32-34 mm longis tubo 18-20 mm longo decurvato. Typus: Oahu I. Waianu, Takeuchi 2,536.

Cyrtandra ferrea sp. nov. Frutex est, novellis pilosulis, foliis oppositis inaequalibus, petiolis 4-7.7 cm longis pilosulis, laminis 13-23 x 8-9.5 cm ellipticis acuminatis basi cuneata et decurrenti supra et infra puberulis, cymis 5-9 cm longis 3-7-floriferis pilosulis, pedicellis 10-15 mm longis. Typus: Oahu I., Haiku, Takeuchi & Paquin 2,995, mounted on 2 sheets.

Cyrtandra fusata sp. nov. Frutex est, ramulis foliosis pilosulis, foliis oppositis inaequalibus, petiolis 2-5 cm longis pilosulis, laminis 11.5-15.3 x 0.9-6.2 cm fusiformatis subacuminatis basi decurrenti infra minute puberulis, cymis 4-5 cm longis 2-4-floriferis, pedicellis 10-14 mm longis pilosulis, calycibus vivis 22 mm longis pilosulis tubo 15 mm longo, lobis inferis 8 mm longis ovatis subulatis, corollis 24 mm longis glabris tubo 17 mm longo decurvato. Typus: Oahu I., Haiku, Takeuchi & Tate 3,004.

Cyrtandra glabriflora sp. nov. Frutex est, caulis simplex glaber est, foliis oppositis, petiolis 2-3 cm

longis glabris, laminis 24-40 x 8.5-11.5 cm fusiformi-ellipticis acuminatis basi cuneata decurrenti supra adpresse pilosulis infra nervis pilosulis, cymis 6-10 cm longis caulifloris 7-16-floriferis puberulis, pedicellis 8-18 mm longis, calycibus vivis 19 mm longis puberulis tubo 10 mm longo lobis inferis 11 mm longis lanceolatis, corollis 24 mm longis. Typus: Oahu I., Waiahole, Takeuchi 2,529, mounted on three sheets.

Cyrtandra imparilis sp. nov. Frutex est, caule folioso pilosulo, foliis oppositis, petiolis 2-4.2 cm longis pilosulis, laminis 9-14.5 x 4-6.4 cm ellipticis vel oblanceolatis acuminatis basi cuneata infra nervis adpresse pilosulis, cymis 5-8.3 cm longis 2-5-floriferis pilosulis, pedicellis 7-19 mm longis calycibus vivis 22 mm longis in basi pilosulis 4 lobis 9 mm lanceolatis subulatis, corollis 27 mm longis glabris tubo 18 mm longo decurvato, loba infera 6 x 7 mm late ovata. Typus: Oahu I., Niu, Takeuchi 2,722.

Cyrtandra opposita sp. nov. Frutex ramosus est, novellis puberulis, laminis 12.2-19 x 7-9.4 cm ovalibus acuminatis basi cuneata, decurrenti infra midnervo adpresse pilosulo, cymis 5-7 cm longis 2-3-floriferis puberulis, pedicellis 14-25 mm longis, calycibus 9-10 mm longis 2/3-partitis lobis inferis 6 mm longis lanceolatis sed apicibus subulatis, corollis 15 mm longis puberulis. Typus: Oahu I., Palolo, Takeuchi & Pyle, s.n.

Cyrtandra ovalis sp. nov. Frutex est, ramulis foliosis pilosis, foliis oppositis inaequalibus, petiolis 6-10.5 cm longis pilosis, laminis 11.5-21.5 x 7.2-12.5 cm ovalibus acuminatis basi cuneata infra nervis pilosis, cymis 5-6 cm longis 3-4-floriferis pilosulis, pedicellis 18-20 mm longis, calycibus 21 mm longis pilosulis 3 lobis 3-4 mm longis deltoideis et subulatis, corollis vivis 25 mm longis pilosis decurvatis. Typus: Oahu I., Palolo, Takeuchi 2,704.

Cyrtandra pilosicalycis sp. nov. Frutex est, novellis subadpresse sparse badie pilosulis, foliis oppositis, petiolis 3.5-8 cm longis sparse pilosulis, laminis 8.5-20 x 3.5-9.2 cm ellipticis acumatis basi cuneata marginibus serratis vel dentatis supra sparse adpresse pilosulis infra intervallis glabris nervis principalibus adscendente badie pilosulis, cymis 5.5-7 cm longis 3-4-floriferis axillaribus sparse adscendente badie pilosulis, pedunculis 2.5-3.5 cm longis, pedicellis 15-20 mm longis, calycibus siccatis 11-12 mm longis 1/2-lobatis lobis 6-7 mm longis lanceolatis rostro 3-4 mm long, stylo 4 mm longo glabro. Typus: Oahu I., Haiku, Takeuchi & Paquin 2,986.

Cyrtandra scapiflora sp. nov. Frutex est, novellis dense adpresse pilosulis, foliis oppositis inaequalibus, petiolis 4-5.5 cm longis adpresse pilosulis, laminis

9.5-20 x 5-8.8 cm membranaceis late ellipticis acuminatis basi cuneata breve decurrenti marginibus subintegris supra minute adpresse badiepuberulis infra nervis principalibus adpresse badie pilosulis, cymis axillaribus et caulifloribus 4-6 cm longis 3-floriferis adscendente pilosulis, pedunculis 10-25 mm longis, bracteis 8-15 mm longis lanceolatis, pedicellis 6-13 mm longis, gemmis fusiformibus et cum rostro 1.5 mm longo, calycibus siccatis 13-15 mm longis pilosulis 2/5-lobatis lobis 5.5-7 mm longis lanceolatis apice subulato, corollis vivis 28 mm longis pilosis tubo 15-17 mm longo, loba infera 4 mm longa suborbiculari. Typus: Oahu I., Haiku, W. Takeuchi & Paquin 2,994.

Cyrtandra tantalusensis sp. nov. Frutex est, novellis pilosulis, petiolis 5-8 cm longis pilosulis, laminis 18-22 x 8.4-10.7 cm ovalibus acuminatis basi cuneata et decurrenti infra nervis principalibus pilosulis, cymis 6.5-9 cm longis 4-5-floriferis pilosulis pedicellis 10-19 mm longis, calycibus 19 mm longis puberulis lobis 6-7 mm longis lanceolatis, corollis 27 mm longis. Typus: Oahu I., Tantalus, Takeuchi 1,878.

Section SCHIZOCALYCES

Cyrtandra biformalis sp. nov. Frutex est, novellis villosis, foliis oppositis, petiolis foliorum principalium 7.5-15 cm longis villosis, laminis 20.5-24 x 13.5-16 cm late ellipticis acuminatis basi cordata infra pilosulis nervis pilosis, cymis 5-18 cm longis 5-7-floriferis pilosis, pedicellis 1-4 cm longis, calycibus vivis 16-19 mm longis pilosulis lobis 9-11 mm longis lineari-lanceolatis, corollis 18 mm longis pilosulis tubo 16 mm longo subrecto. Typus: Oahu I., Haiku, Takeuchi & Tate 2,999.

Cyrtandra catenulata sp. nov. Frutex est, ramulis foliosis 2-6 mm diametro dense hirsutis, petiolis 4.5-7 cm longis pilosulis, laminis 19-24 x 8-13.3 cm ovatis ovalibusve acutis acuminatisve basi cuneata infra puberulis et nervis salebrose puberulis, cymis 8-11 cm longis 5-9-floriferis pilosulis, pedicellis 19-40 mm longis, calycibus 10-12 mm longis lobis 7-9 mm longis lanceolatis acuminatis, corollis 11 mm longis hirsutulis. Typus: Oahu I., Kaluaa, Takeuchi & Pyle 2,039.

Cyrtandra dasygyna sp. nov. Frutex est, novellis pilosulis, petiolis 2-3 cm longis pilosulis, laminis 7.2-10.5 x 3-5 cm ellipticis acuminatis basi cuneata infra adpresse pilosulis et in nervis pilosis, cymis 6-8.5 cm longis 3-5-floriferis puberulis, pedicellis 16-20 mm longis, calycibus 11-13 mm longis puberulis lobis 8-11 mm longis anguste lanceolatis. Typus: Oahu I., Waikane, Takeuchi 2,016.

Cyrtandra discors sp. nov. Frutex est, ramulis foliosis puberulis, foliis oppositis inaequalibus, petiolis 1.5-7.3 cm longis pilosulis, laminis 7.2-15 x 1.6-5 cm oblanceolatis acuminatis basi cuneata infra glabra, cymis 4.5-6 cm longis 1-3-floriferis puberulis, pedicellis 13-22 mm longis, calycibus vivis 10-12 mm longis fere ad basim lobatis lobis ellipticis vel lanceolatis, corollis 16 mm longis pilosis tubo subrecto. Typus: Oahu I., Kaneohe, Takeuchi 2,921.

Cyrtandra haikuensis sp. nov. Frutex ramosus est, ramulis foliosis hirsutulis, foliis oppositis, petiolis 5-13.5 cm longis hirsutulis, laminis 15.5-22.8 x 8.5-10.7 cm ellipticis acuminatis basi cuneata infra nervis hirsutulis, cymis 6.5-9 cm longis 3-5-floriferis hirsutulis, pedicellis 12-22 mm longis, calycibus vivis 13 mm longis hirsutulis 3/4-lobatis lobis inferis 8.5 mm longis lanceolatis, corollis 16 mm longis inclusis tubo recto loba infera 6 x 5 mm ovata. Typus: Oahu I., Haiku, Takeuchi & Tate 2,945.

Cyrtandra ovalifolia sp. nov. Frutex 1.3-1.7 m altus est, novellis dense badie pilosis, foliis oppositis petiolis 4.5-10 cm longis, badie pilosis perfoliatis, laminis 17.5-25 x 10-14.5 cm ovalibus acuminatis basi cuneata marginibus denticulatis supra remote adpresse badie pilosulis infra minute adpresse badie puberulis nervis principalibus pilosis, cymis 6.5 cm longis 5-6-floriferis axillaribus pilosis, pedunculis 25-27 mm longis, bracteis 6-13 mm longis oblanceolatis, pedicellis 8-17 mm longis, calycibus siccatis 13-15 mm longis dense pilosis 2/3-partitis, lobis 8-10 mm longis lanceolatis, corollis villosis, ovario glabro, stylo 4 mm longo glabro. Typus: Oahu I., Haiku, Takeuchi 2,981.

Cyrtandra prorsiflora sp. nov. Frutex est, novellis adscendente badie pilosulis, foliis oppositis inaequalibus, petiolis 15-35 mm longis adscendente badie pilosulis, laminis 7-15 x 3-6.1 cm chartaceis ellipticis acuminatis basi cuneata marginibus serrulatis supra remote pilosulis infra minute adpresse badie pilosulis et nervis adscendente pilosulis, cymis axillaribus et caulifloribus 8-8.5 cm longis 3-floriferis pilosis, pedunculis 22-35 mm longis, bracteis 8-12 mm longis ellipticis, pedicellis 12-22 mm longis, calycibus siccatis 13-16 mm longis in basi dense pilosis supra deminuentibus, 5 lobis subaequalibus 11-13 mm longis late lanceolatis, ovario glabro, stylo 2 mm longo glabro. Typus: Oahu I., Haiku, W. Takeuchi 3,031.

Cyrtandra quinqueflora sp. nov. Frutex est, novellis pilosulis, petiolis 3.5-9 cm longis, laminis 10-20 x 5-10 cm ellipticis acuminatis basi cuneata infra pilosulis et nervis principalibus salebrose pilosulis, cymis 7-8 cm

longis 5-floriferis pilosulis, pedicellis 22-25 mm longis, calycibus 12-13 mm longis pilosulis lobis 8-12 mm longis ligulate lanceolatis subulatis, corollis 17 mm longis pilosulis lobis superis 4.5-5 mm longis suborbicularibus. Typus: Oahu I., Waikane, Takeuchi 2,014.

Cyrtandra triados sp. nov. Frutex est, novellis puberulis, laminis 15-18 x 6.6-7 cm ellipticis acutis basi cuneata infra nervis principalibus pilosis, cymis 4.5-6 cm longis 3-5-floriferis pilosulis, pedicellis 8-11 mm longis, calycibus 33-36 mm longis pilosis lobis inferis 22 mm longis subulatis, corollis 33-35 mm longis. Typus: Oahu I., Punaluu, Takeuchi et al. 1,792.

Cyrtandra trionanthe sp. nov. Frutex est, novellis pilosis, laminis 9-12.2 x 5.5-7.4 cm ovalibus acuminatis basi inaequaliter rotundatis infra nervis pilosulis, cymis 5-7 cm longis 3-floriferis pilosis, pedicellis 7-16 mm longis, calycibus 10-14 mm longis 2/3-lobatis lobis lanceolatis apicibus subulatis, corollis 19 mm longis pilosulis tubo 15 mm longo. Typus: Oahu I., Waiahole, Takeuchi et al. 1,871.

Cyrtandra villifera sp. nov. Frutex ramosus est, ramulis foliosis villosis, foliis oppositis, petiolis 7.5-10 cm longis villosis, laminis 11-15.5 x 9-14.5 cm suborbicularibus cordatis apice acuminato supra adpresse puberulis infra pilosulis et nervis salebrose pilosis, cymis 6-7.5 cm longis 3-10-floriferis axillaribus villosis, pedicellis 12-30 mm longis, calycibus 13-14 mm longis in basi villosis lobis inferis 13-15 mm longis ovati-lanceolatis. Typus: Oahu I., Palolo, Takeuchi 2,619.

Cyrtandra wailupeensis sp. nov. Frutex est, ramulis foliosis pilosulis, foliis oppositis, petiolis 5.5-11.5 cm longis pilosulis, laminis 12-18.5 x 9.5-13.4 cm ellipticis acuminatis basi subcuneatis infra puberulis nervis pilosulis, umbellis 5-6 cm longis 4-6-floriferis pilosis, pedicellis 16-23 mm longis, calycibus vivis 8-9 mm longis pilosulis 5/6-lobatis lobis inferis 6 mm longis lanceolatis, corollis 16 mm longis pilosulis tubo recto. Typus: Oahu I., Wailupe, Takeuchi & Pyle 2,670.

Section VERTICILLATAE

Cyrtandra calpidicarpa (Rock) St. John & Storey, var. *distincta* var. nov. A var. calpidicarpa differt in cymis 4-5-floriferis, pedunculo 14 mm longo, bracteis 7-10 mm longis ellipticis, pedicellis 11-20 mm longis. Typus: Oahu I., Punaluu, W. Takeuchi et al. 2,291.

Cyrtandra deorsa sp. nov. Frutex est, novellis puberulis, foliis ternatis, petiolis 12-26 mm longis, laminis 8-25.5 x 3.4-8 cm ellipticis acuminatis subacuminatisve basi cuneata decurrenti infra minute puberulis nervis puberulis, cymis 3-6.5 cm longis

3-6-floriferis puberulis, pedicellis 9-15 mm longis, calycibus 15 mm longis puberulis lobis inferis 7-8 mm longis deltoideo-lanceolatis, corollis 24 mm longis pilosulis tubo 17 mm longo. Typus: Oahu I., Waiahole, Takeuchi 2,525.

Cyrtandra triens sp. nov. Frutex est, ramulis foliosis puberulis, laminis ternatis, petiolis 1.5-2 cm longis adpresse pilosulis, laminis 24-33 x 7-8.7 cm fusiformis subacuminatis basi cuneata et longe decurrenti infra adpresse puberulis sed nervis principalibus pilosulis, cymis 3.5-5 cm longis 9-15-floriferis, pedicellis 2-6 mm longis, calycibus 31-33 mm longis per 5 mm fissis, corollis 39 mm longis glabris lobis 16 mm longis. Typus: Oahu I., Waiahole, Takeuchi 2,524.

Cyrtandra trinalis sp. nov. Frutex est, novellis puberulis foliis ternatis inaequalibus, petiolis 3-6 cm longis puberulis, laminis 6-13 x 3-5.8 cm ellipticis acuminatis basi cuneata vel decurrenti supra et infra puberulis praesertim in nervis, cymis 3-6.5 cm longis 3-7-floriferis puberulis, pedicellis 3-12 mm longis, calycibus siccatis 7 mm longis lobis 3.5-3.8 mm longis subulatis obtusis, corollis 15 mm longis pilosulis tubo 13 mm longo. Typus: Oahu I., Haiku, Takeuchi & Tate 2,952.

KEY to Fig. 1. Locations of Cyrtandra species.

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| a. <i>C. acuminifolia</i> | s. <i>C. ovalis</i> |
| b. <i>C. basirotundata</i> | t. <i>C. pilosicalycis</i> |
| c. <i>C. biformalis</i> | u. <i>C. prorsiflora</i> |
| d. <i>C. calpidicarpa</i> | v. <i>C. pukeleensis</i> |
| var. <i>distincta</i> | w. <i>C. quiqueflora</i> |
| e. <i>C. catenulata</i> | x. <i>C. rotundata</i> |
| f. <i>C. cuspidata</i> | y. <i>C. scapiflora</i> |
| g. <i>C. dasygyna</i> | z. <i>C. subaequalis</i> |
| h. <i>C. deorsa</i> | 2. <i>C. subrubrum</i> |
| i. <i>C. depressa</i> | 3. <i>C. tantalusensis</i> |
| j. <i>C. discors</i> | 4. <i>C. triados</i> |
| k. <i>C. ferrea</i> | 5. <i>C. triens</i> |
| l. <i>C. fusata</i> | 6. <i>C. trinalis</i> |
| m. <i>C. glabriflora</i> | 7. <i>C. trionanthe</i> |
| n. <i>C. haikuensis</i> | 8. <i>C. villifera</i> |
| o. <i>C. imparilis</i> | 9. <i>C. wailupeensis</i> |
| p. <i>C. kamoolaliiensis</i> | &. <i>C. kremnes</i> |
| q. <i>C. oppositifolia</i> | +. <i>C. piaensis</i> |
| r. <i>C. ovalifolia</i> | |

